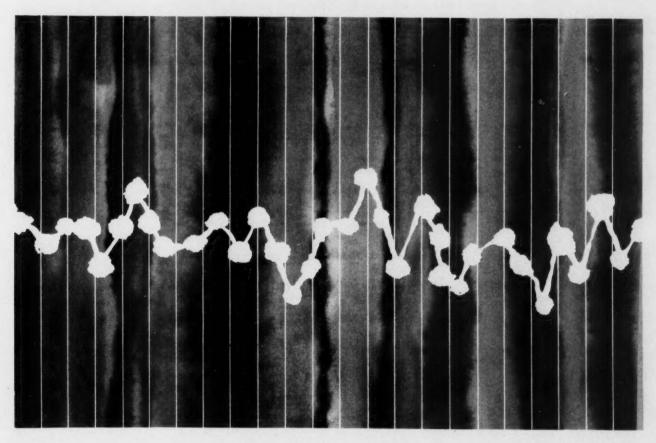
# defense indicators

**OCTOBER 1974** 





U.S. DEPARTMENT OF COMMERCE • Social and Economic Statistics Administration • BUREAU OF ECONOMIC ANALYSIS

This report was prepared in the Statistical Indicators Division, Bureau of Economic Analysis. Technical staff and their responsibilities for the publication

are-

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Betty F. Tunstall-Collection and compilation of basic data.

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# defense indicators

October 1974 Series ES4 No. 74-10

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### **6 SESA PROJECTS**

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**BUSINESS CONDITIONS DIGEST** A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together approximately 600 economic time series in a form convenient for analysts whether their approach to the study of current business conditions and prospects is the national income model, the leading indicators, anticipations and intentions, or a combination of these. Other types of data such as foreign trade, Federal Government activities, and international series are included to facilitate a more complete analysis.

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**DEFENSE INDICATORS** A monthly report for analyzing the current and prospective impact of defense activity on the national economy.

This report brings together the principal time series on defense activities which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. The approximately 60 time series included are grouped in accordance with the time at which the activities they measure occur in the defense order-production-delivery process. Charts and analytical tables facilitate interpretation.

LONG TERM ECONOMIC GROWTH A report for the study of economic trends over a long span of years, 1860–1970.

This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It is a basic research document for economists, historians, investors, teachers, and students. It brings together under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. A computer tape file of the time series included in the report is available for purchase.

COMPUTER PROGRAMS FOR TIME SERIES ANALYSIS The source statements for FORTRAN IV programs used by SESA in its analysis of time series are available on a single computer tape.

SEASONAL ADJUSTMENT PROGRAMS.—Two variants of the Census computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations. They are particularly useful in analyzing economic fluctuations which take place within a year. The X-11 variant is used for adjusting monthly data and the X-11Q for quarterly data. These programs make additive as well as multiplicative adjustments and compute many summary and analytical measures.

DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

**SURVEY OF CURRENT BUSINESS** A monthly report for analyzing current economic developments.

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

**BUSINESS STATISTICS** A biennial reference volume containing statistical series reported currently in the *Survey of Current Business*.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

#### Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

#### Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense-Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

#### Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

Gross National Product and National Defense Purchases

Gross national product (BEA)

Federal Government purchases of goods and services, national defense (BEA)

National defense purchases as a percent of gross national product (BEA)

Gross national product, changes from previous quarter (BEA) National defense purchases, changes from previous quarter (BEA)

#### Advance Indicators of Defense Activity

Defense Department gross obligations incurred, total (DOD)
Defense Department gross obligations incurred, procurement (DOD)

Gross obligations incurred outside the Government for national defense (Treasury)

Defense Department military prime contract awards for work performed in the United States (DOD)

Defense Department gross unpaid obligations outstanding (DOD)

Manufacturers' new orders (Census):

Defense products industries

Defense products

Manufacturers' new orders from the U.S. Government, aerospace industries (Census):

Average weekly overtime hours, production workers, defense products industries (BLS)

Accessions, defense products industries (BLS) Layoffs, defense products industries (BLS)

#### Intermediate and Final Indicators of Defense Activity

Manufacturers' inventories (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders (Census):

Defense products industries

Defense products

Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)

Defense Department progress payments outstanding (DOD) Employment in defense products industries, total (BLS)

Employment in defense products industries, production workers (BLS)

Index of aggregate weekly man-hours, defense products industries (BLS)

Index of aggregate weekly payrolls, production workers, defense products industries (BLS)

Defense Department manpower, military (DOD)

Defense Department manpower, civilian (DOD)

Defense Department net outlays, total, military functions and military assistance (DOD)

Defense Department net outlays, procurement (DOD)

Budget outlays for the national defense function (Treasury) Defense Department personnel compensation (DOD)

Manufacturers' shipments (Census):

Defense products industries

Defense products

Manufacturers' shipments to the U.S. Government, aerospace industries (Census):

Ratio, manufacturers' unfilled orders to shipments (Census): Defense products industries

Defense products

Ratio, manufacturers' inventories to shipments (Census):

Defense products industries

Defense products

#### Defense-Related Balance of Payments Components

Transfers under U.S. military agency sales contracts—exports (BEA)

Direct defense expenditures-imports (BEA)

U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunitions), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

#### **Description of Basic Data**

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly Status of Funds report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The Status of Funds report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's Contract Awards report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The Contract Awards report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the Status of Funds report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts	372
Guided missiles and space vehicles, completely assembled	1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments¹ classified into the following industry categories in accordance with the Standard Industrial Classification Manual, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories	19
Communication equipment	366
Aircraft and parts	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey* 

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).<sup>2</sup>

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include non-defense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

<sup>&</sup>lt;sup>1</sup>An establishment is a single physical location where business is conducted (e.g., a plant). A company often includes more than one establishment.

<sup>&</sup>lt;sup>2</sup>See the Bureau of the Census publication *Shipments of Defense-Oriented Industries*, Current Industrial Reports, Series MA-175, for ennual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

#### Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

#### **Guide to Charts and Tables**

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., data not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

New Features and Changes For This Issue

The DEFENSE INDICATORS office has a new telephone number: 301-763-7106.

The November issue of DEFENSE INDICATORS is scheduled for release on November 29.

#### Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

		Basic data								Percent change				à
Series title	Unit of	Aver	age	1	010					July '74	Aug. '74	1st Q 74	2d Q 74	numb
	measure	1972	1973	1st Q 1974	2d Q 1974	3d Q 1974	July 1974	Aug. 1974	Sept. 1974	to Aug. '74	to Sept. '74	to 2d Q '74	to 3d 0.74	Series
GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES			0-2								ut II			
O. Gross national product (BEA)	Ann. rate, bil. dol	1158.0	1294.9	1358.8	1383.8	1411.6						1.8	2.0	21
Federal Government purchases of goods and services, national defense (BEA)	do	.74.8	74.4	75.8	76.6	78.8				• • •		1.1	2.9	2
National defense purchases as a percent of GNP     (BEA) <sup>1</sup>	Percent	6.4	5.8	5.6	5.5	5,6		•••		•••		-0.1	0.1	6
DVANCE INDICATORS OF DEFENSE ACTIVITY														
fense Dept. gross obligations incurred (DOD): 617. Total	Ann. rate,									111	N/E	111		
621. Procurement	bil. dol	84.7	85.5 18.8	90.3	91.9	NA NA	98.8	105.8	NA NA	7.1	NA NA	1.8	NA NA	l
Gross obligations incurred outside the Federal Government for national defense (Treasury)		88.6	89.1	95.8	97.8	NA	103.5	NA	NA	NA	NA	2.1	NA.	ı
Defense Department military prime contract awards for work performed in the U.S. (DOD)	do	36.0	35.3	36.8	42.7	NA	41.9	49.8	NA	18.9	NA.	16.0	NA	۱
Defense Department gross unpaid obligations outstanding (DOD).	Bil. dol., end of period	34.2	36.8	37.4	38.9	NA	40.4	40.2	NA	-0.5	NA	4.0	NA.	١
Mfrs.' new orders, defense products (Census)	Ann. rate,	19.5	20.5	22.8	21.4	25.5	16.5	38.7	21.3	134.5	-45.0	-6.1	19.2	١
Manufacturers' new orders from the U.S.	bil. dol	78.75	15.9	18.9		NA NA				1	1	1	NA NA	۱
Government, aerospace industries (Census)	do	14.8			12.6		7.1	2 4	 N/A	-0.7	NA.	-33,3	NA NA	I
workers, defense products industries (BLS) <sup>1</sup> Accessions, defense products industries	Number per 100	2.8	3.1	2.9	2.9	NA	3.1	2.8	NA	-0,3	NA NA	0.0	NA NA	ı
(BLS) <sup>1</sup> . Layoffs, defense products industries (BLS) <sup>1</sup>	employees	0.8	0.6	0.4	0.7	NA NA	0.6	NA	NA NA	NA NA	NA NA	0.2	NA NA	١
NTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY														١
7. Output of defense and space equipment (FRB)	Bil. dol., end	77.9		81.1	81.5	83,1	82.6	83.0	83.6	0.5		0,5	2.0	١
. Mfrs.' unfilled orders, defense products (Census)	of period	5.1 19.1	5.6 20.7	21.7	22.3	24.2	22.2	23.9	NA 24.2	7.7		2,8	8.5	١
Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)	do	15.1	16.4	17.4	16.9	NA		• • •				-2.9	NA	I
Defense Department progress payments out- standing (DOD) (0)	do	6.7	7.4	7.8	8.1	NA						3,8	NA	I
oloyment in defense products industries (BLS): 670. Total	Thousands	1,119		1,145	1,147	NA	1,148	1,111	NA	-3,2		0.2		ı
671. Production workers		581		606	606	NA	602	564	NA	-6,3		0.0	NA	١
products industries (BLS)		NA		A'A	NA	NA	67.7	64.9	NA			NA	NA	I
workers, defense products industries (BLS) ense Department manpower (DOD): (iii)		NA	NA	NA	NA	NA	95.6	89.1	NA	-6.8	NA	NA	NA	ı
677, Military	of period						2,162	2,154	NA			-1.1	NA	
678. Civilianense Department net outlays (DOD):	do	1,082	1,026	1,042	1,070	NA	1,074	1,064	NA	-0.9	NA NA	2.7	NA	١
<ol> <li>Total, military functions and military assistance.</li> </ol>	Ann. rate, bil. dol		76.3				83.1	87.0	89.5		2.9	1.5	7.6	
682. Procurement							9.7	17.1	16.1					1
(Treasury)	do	32.0	32.4	32.6	32.9	NA NA	79.0	87.4 34.2	NA	1.6	NA NA		NA	ı
Mfrs.' shipments, defense products (Census)	do	17.9					17.2	18.0	18.4	4.7	2.2	0.0	-6.8	1
aerospace industries (Census)	.							***				2.0		1
defense products (Census)  B. Ratio, manufacturers' inventories to shipments, defense products (Census)							15.5	4.3	15.8 NA					ı
DEFENSE-RELATED BALANCE OF PAYMENTS										-				
COMPONENTS  S. Transfers under U.S. militany consequences	Ann cott													
Transfers under U.S. military agency sales     contracts—exports (BEA)¹.      Direct defenses agency (BEA)¹.      Property (BEA)¹.      Direct defenses agency (BEA)¹.	Ann. rate, mil. dol							***						
47. Direct defense expenditures—imports (BEA) <sup>1</sup> (a) . 96. U.S. Government cash receipts associated with								***	•••		• • • • • • • • • • • • • • • • • • • •	500		1
military sales contracts (BEA)1	do	. 1,38	7 2,290	2,084	2,10	NA NA						16	NA NA	1

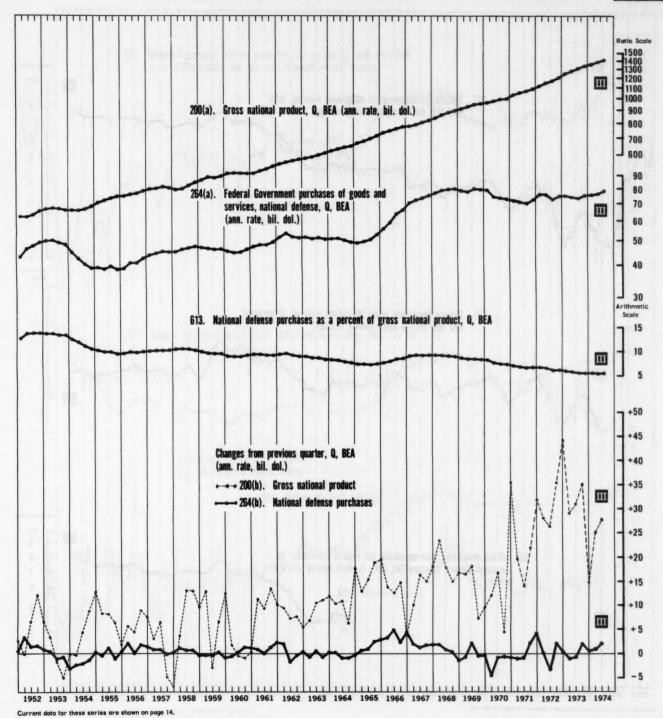
NOTE: This table is presented as a convenient summary of the current data for many of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where available, annual figures are those published by the source agencies; otherwise they (and the quarterly figures for monthly series) are averages or totals of the data as shown in the data tables. Series are seasonally adjusted except for those indicated by @, which appear to contain no seasonal movement.

NA = not available.

\*Differences rather than percent changes are shown for this series.

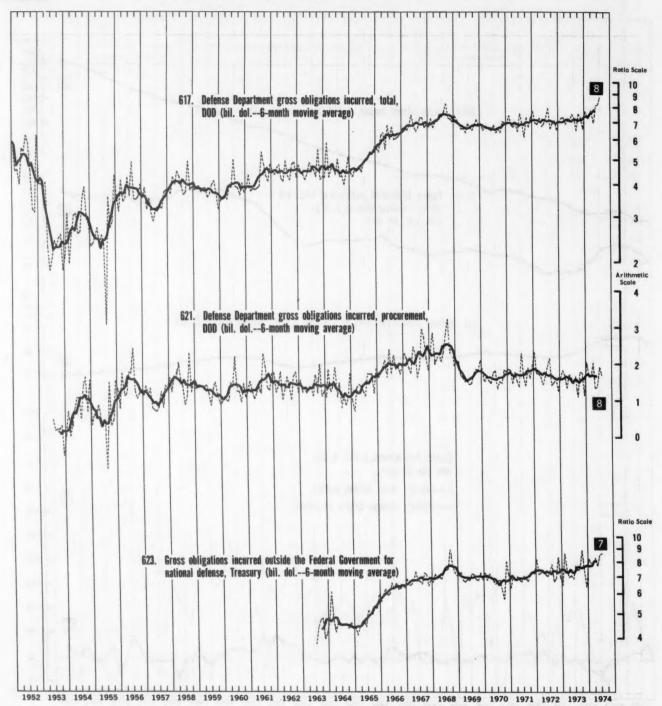


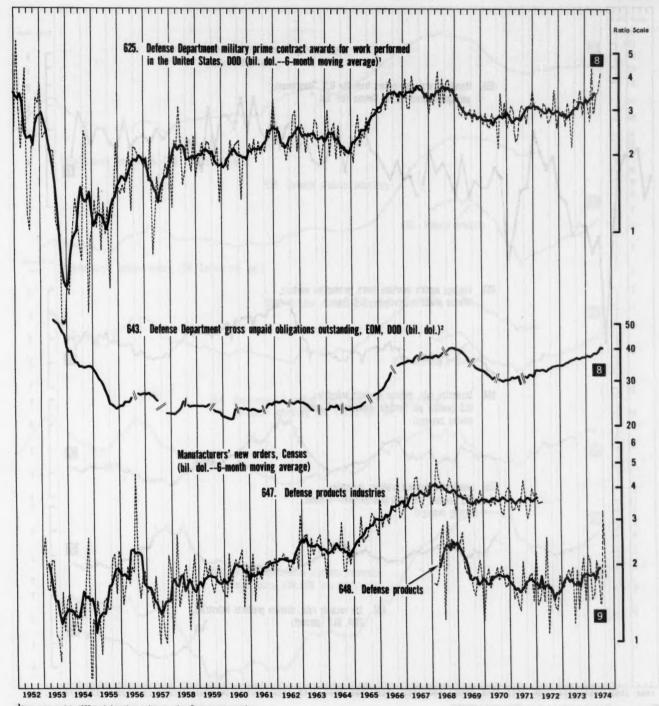
## **Gross National Product and National Defense Purchases**





## **Advance Indicators of Defense Activity**





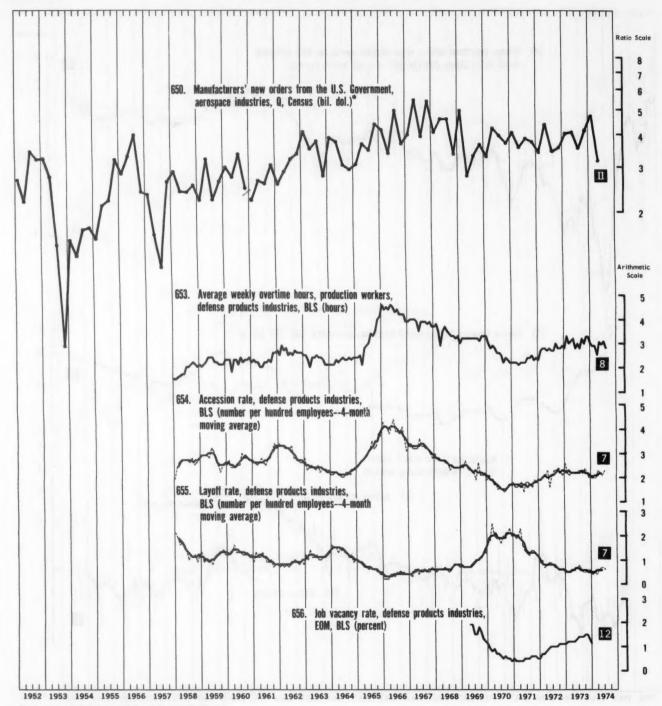
Data prior to July 1955 exclude orders written to other Government agencies.

Data for the following months not available: July of 1956-71; August of 1956-57 and 1963-66; September of 1957, 1963, and 1965; and October and November of 1963.

\*\*Contract awards for November 1953--2565 million; December 1953--5390 million.

Current data for these series are shown on pages 16 and 20.



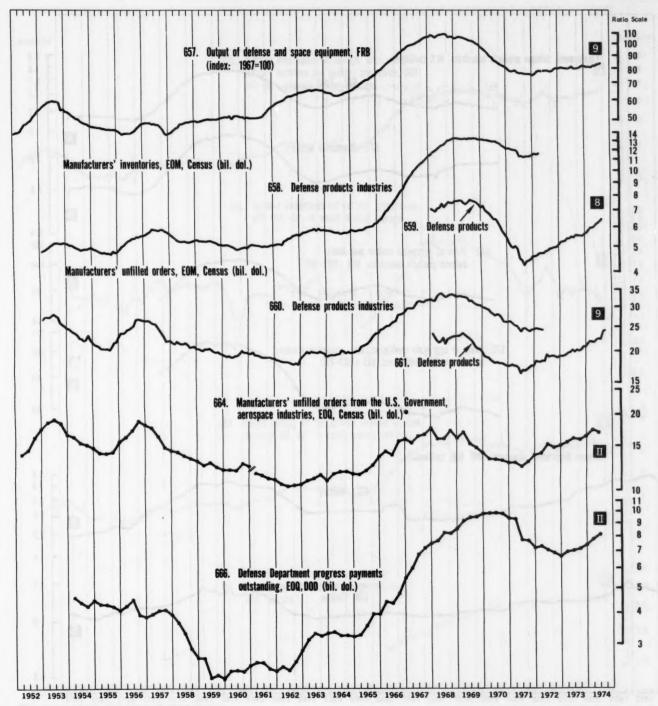


\*Data prior to 1961 include orders from non-Government customers.

Current data for these series are shown on pages 20 and 21.

## CHART 3

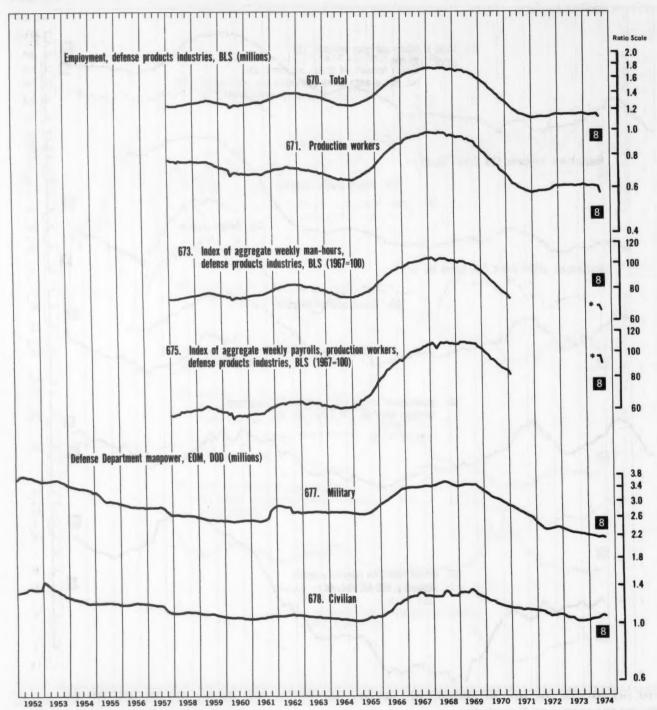
## Intermediate and Final Indicators of Defense Activity



\*Data prior to 1961 include orders from non-Government customers.

Current data for these series are shown on page 22.

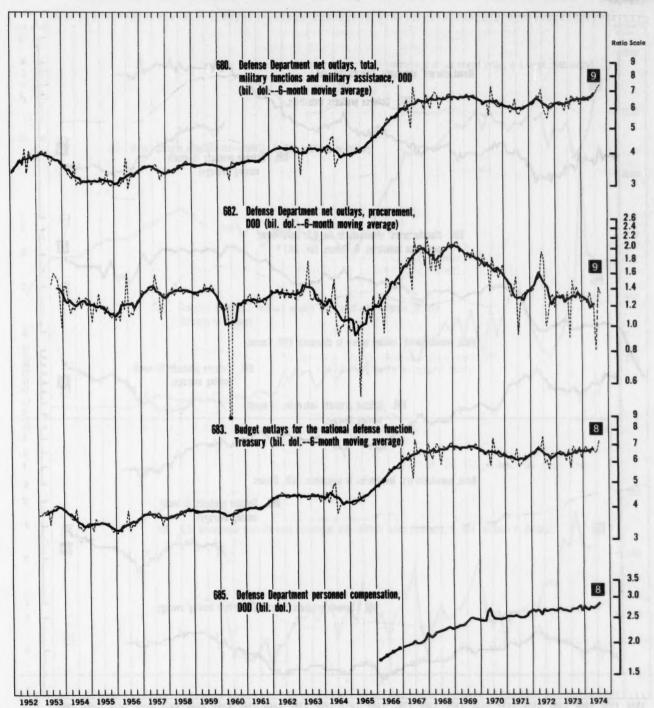




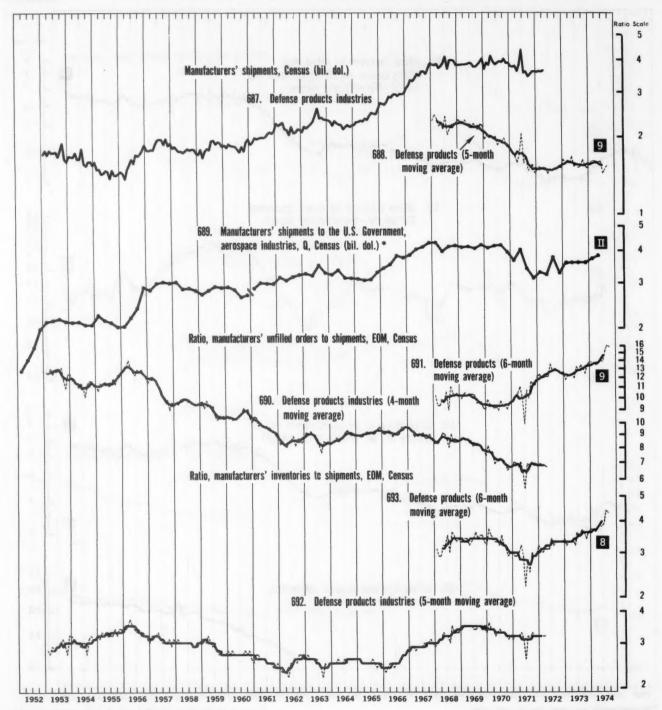
<sup>\*</sup>Data for the period March 1971 through May 1974 are not available (see page 23).

Current data for these series are shown on pages 22, 23, and 24.





<sup>\*</sup>Net expenditures for procurement, June 1960.--\$245 million. Current data for these series are shown on pages 24 and 25.

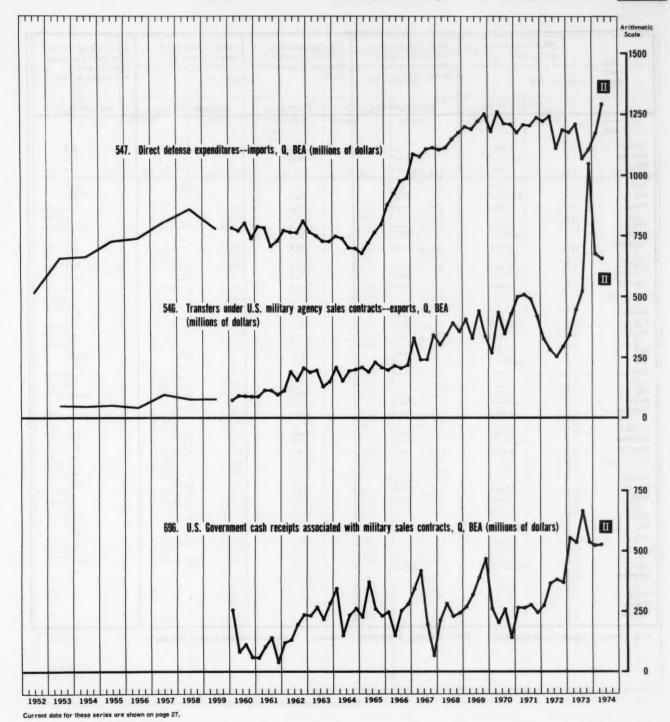


<sup>\*</sup>Eata prior to 1961 include shipments to non-Government customers.

Current data for these series are shown on page 26.



## Defense-Related Balance of Payments Components



13



## Gross National Product and National Defense Purchases

Year and month	200(a). Gross national product, BE A*	264(a). Federal Govern- ment purchases of goods and services, national defense, BEA*	613. National defense purchases as a percent of gross national product, BEA*	200(b). Change in gross national product, BEA*	264(b). Change in Federal Government purchases of goods and services, national defense, BEA*
	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)	(Percent)	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)
1972					
January	1,115.0	75.9	6.8	31.8	3.8
April	1,143.0	75.9	6.6	28.0	0.0
June	***	***	***	•••	•••
July	1,169.3	72.6	6.2	26.3	-3.3
October	1,204.7	74.7	6.2	35.4	2.1
January February March	1,248.9	75.0	6.0	44.2	0.3
April	1,277.9	74.0	5.8	29.0	-1.0 
July	1,308.9	73.3	5.6	31.0	-0.7
October	1,344.0	75.3	5.6	35.1	2.0
1974				***	•••
January	1,358.8	75.8	5.6	14.8	0.5
April	1,383.8	76.6	5.5	25.0	0.8
July	pl,411.6	p78.8	p5.6	p27.8	p2.2
October	Jan 1	1	W/Va		

Note: All data on this page are seasonally adjusted. NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See page 5.)



## Advance Indicators of Defense Activity

Year		617. Total		619. 0	perations		621. Procuremen	t
and month	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data- 6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972								
January	7,772	7,721	7,134	4,623	4,572	2,534	2,329	1,887
February	6,542	6,956	7,133	3,990	4,338	1,667	1,755	1,845
March	6,445	6,854	7,139	4,170	4,375	1,470	1,744	1,816
April	6,455	7,290	7,073	4,437	4,361	1,278	1,660	1,768
	5,813	6,729	7,005	4,084	4,323	993	1,448	1,704
	9,429	6,889	7,166	5,110	4,396	2,975	1,670	1,771
July	7,769	7,310	7,123	4,933	4,410	1,310	1,949	1,719
	7,810	7,921	7,065	4,559	4,456	1,767	2,158	1,694
	6,899	6,599	7,127	4,345	4,516	1,582	1,432	1,722
October November December	7,178	6,941	7,067	4,647	4,419	1,757	1,507	1,656
	6,489	7,102	7,014	4,193	4,488	1,556	1,617	1,603
	6,066	6,530	6,904	4,027	4,456	1,456	1,274	1,550
January February March	7,414	6,990	7,023	4,688	4,494	1,815	1,631	1,595
	6,691	7,260	7,011	4,097	4,656	1,785	1,838	1,569
	6,716	7,313	7,009	4,174	4,427	1,435	1,704	1,588
April	6,342	6,873	7,096	4,522	4,445	1,028	1,349	1,648
	5,997	7,086	7,183	4,195	4,393	1,171	1,730	1,623
	9,327	7,054	7,190	5,122	4,471	2,871	1,633	1,596
July	8,180	7,510	7,052	5,334	4,679	1,019	1,483	1,495
	7,505	7,304	7,162	4,634	4,552	1,393	1,676	1,568
	6,289	6,486	7,197	4,201	4,429	1,168	1,099	1,575
October	8,074	7,533	7,120	5,024	4,716	2,105	1,788	1,494
	6,917	7,293	7,160	4,346	4,652	1,714	1,771	1,593
	6,041	6,597	7,172	4,133	4,643	1,321	1,149	1,599
January February March	8,113	7,750	7,334	4,991	4,714	2,337	2,077	1,689
	6,826	7,375	7,377	4,187	4,758	1,677	1,708	1,731
	6,613	7,458	7,320	4,377	4,699	1,381	1,642	1,658
April	7,375	7,787	r7,594	4,982	4,804	1,546	2,040	rl,702
	6,104	6,952	r7,674	4,434	4,662	894	1,330	rl,675
	rl0,110	r8,240	7,914	r6,170	r5,466	r2,465	rl,412	1,672
July	9,285 8,874 (NA)	8,235 8,814 (NA)	(NA)	5,901 5,224 (NA)	5,110 5,203 (NA)	1,332 1,416 (NA)	1,919 1,692 (NA)	(NA)

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See page 6.)



	623. Gross oblig outside the Fede ment for national	ral Govern-				ent military prime med in the United	contract awards for States, DOD	r	
Year	Treasury			625. Total		626.	Aircraft		e and space ems
and month	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972									
January	8,256 7,168 7,294	7,399 7,444 7,421	3,210 2,499 2,871	3,520 2,982 3,025	3,048 3,112 3,061	634 469 726	1,981	359 410 473	1,395
April	7,401 7,196 7,037	7,392 7,239 7,355	2,167 2,204 5,574	2,985 2,786 3,154	3,075 3,001 2,944	471 367 1,586	2,129	257 209 481	1,255
July	7,335 7,867 6,707	7,257 7,177 7,381	3,415 2,593 2,815	3,074 2,638 2,725	2,894 2,887 3,021	955 529 523	1,940	681 326 481	1,154
October	6,923 8,416 6,977	7,371 7,231 7,371	3,008 2,997 2,611	2,946 3,589 2,532	2,917 2,876 2,919	395 427 612	1,584	516 491 359	1,283
January February March	6,496 8,706 7,421	7,490 7,501 7,281	2,578 2,418 2,841	2,824 2,899 2,947	2,956 2,893 2,824	728 328 721	1,942	377 297 504	1,300
April	6,986 7,098 p6,877	p7,264 p7,477 p7,266	1,854 2,489 5,122	2,568 3,171 2,897	2,884 2,765 2,828	122 866 1,243	1,948	233 129 349	96'
July	7,441	p7,294 p7,619 p7,672	2,357 3,224 3,309	2,106 3,276 3,222	2,873 2,975 3,032	396 611 867	1,804	207 921 435	1,20
October	7,417	7,592 7,674 7,746	3,198 2,967 2,944	3,176 3,515 2,850	3,024 3,236 3,214	939 686 316	2,150	368 283 563	1,13
January	7,874	7,784 7,673 7,712	3,084 2,613 2,602	3,378 3,141 2,677	3,123 3,317 3,212	598	2,424	206 305 255	84
April	7,647	p8,068 p8,128 (NA)	3,127 2,250 6,086	4,343 2,881 3,440	3,310 3,329 3,498	459 308 502	1,104	303 297 323	1,27
July	(NA)	-	3,924 4,091 (NA)	3,494 4,153 (NA)	(NA)	1,089 591 (NA)	(NA)	618 430 (NA)	(NA
October									

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See pages 6 and 7.)



				ilitary prime contract a United States, DOD-C	wards for work performs ontinued	ed		
Year	628. Ships, not seasonally adjusted	629. Weapon	s and ammunition		and communications Lipment	631. Combat vehicles		
and month	1000	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1972							1002	
January	851	257	***	307		13	***	
February	132	250	779	324	1,083	7	51	
March	165	225	***	347	***	13		
Anril		005		210				
April	59	235	724	248	050	37	100	
May	89	225	734	272	959	17	103	
June	194	448	***	731		72	***	
July	160	41		234		6		
August	370	82	562	215	931	18	131	
September	311	166	902	298	951	140	151	
		100		270		140		
October	276	292		302		15		
November	266	269	614	401	937	40	98	
December	148	236	***	228		33		
1973							100	
January	84	207		27.4		1/		
February	378	226	650	214	020	14	60	
March	85	195	658	215	939	11	60	
muchi	07	195		420		11		
April	82	150		237		12		
May	78	184	725	351	959	15	65	
June		566	122	654	727	54		
							1	
July		21	***	131		50		
August		81	436	354	990	24	80	
September	203	114		313	***	27		
October	1/2	105						
October November		105	***	248		116	111	
December	465 588	106 192	310	392	900	21	214	
	200	192	***	261		56	***	
1974								
January	52	135		311		102		
February		244	541	415	1,013	5		
March		142		206	1,015	40	253	
							***	
April		170	***	403		129	***	
May		123	680	270	1,110	98	502	
June	1,175	554	•••	732	***	404	***	
July	230	37	0	321	-	59		
August		72	(NA)	402	(NA)	104	(NA)	
September		(NA)	(Ita)	(NA)	(Ida)	(NA)	(IM)	
ooptomoor	(1411)	(MA)		(1445)		(MA)		
October								
November								
December		1	1			1		

NA=not available; p=preliminary; r=revised.



			Defense Depart		e contract awards for es, DOD-Continued	work performed			
Year	632. Oth	er hard goods	633. 5	Soft goods	634. Co	onstruction	635. Services		
and month	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1972									
January	92	***	115	***	74		135		
February	135	401	121	516	177	434	148	697	
March	135		125		144		143		
Ancil	330		100		210		110		
April	132 169	506	120 155	557	147		118		
June	399	1	141	551	470	440		737	
Julio	277	***	141		410		440		
July	62		545		138		347		
August	106	418	179	557	103	465	325	622	
September	111		127		64		167		
Ontohor	300		222		77		5003		
October	107 111	318	111	520	88	260	571 132	700	
December	115	1	358	539	69	368	155	799	
1973	117	***	3,00	***	09	***	199	***	
January	140		141		103		154		
February	141	458	112	519	205	484	140	755	
March	130		102		131		152		
Ameil	245		222		2 #0		70#		
April	145	480	113	100	153	110	195	000/	
June	393		97 158	488	151	442	137	776	
Julie	272	***	100		493		446	***	
July	65		489		34		341		
August	117	432	177	553	111	377	265	653	
September	106		186		101		252		
October	722		151		2.00		200		
November		365	154 235	600	147	150	388 161	660	
December	108	305	228	800	86	450	178	663	
1974		-	220		00		110		
January			297		90		204		
February		467	145	1,374	52	258	138	900	
March	179	•••	487	•••	92		181	•••	
April	294		344		248		166		
May		564	214	1,081	58	504	168	846	
June			256	2,002	604	1	524	•••	
July		400	338		131		451		
August		(NA)	819	(NA)	148	(NA)	303	(NA)	
September	(NA)		(NA)		(NA)		(NA)		
October November December									

NA=not available; p=preliminary; r=revised.



Solven I	- 4 9	Defense Department m	nilitary prime contract a e United States, DOD-(	wards for work perforn Continued	ned	prime cont	Department military tract awards for
Year	636. Contrac	ts under \$10,000		nal and nonprofit	638. Civilian Health and Medical Program of the Uniformed		side the United tes, DOD
and month	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Services (CHAMPUS), not seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
turner . A	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972							- 490
January	327		46		***	169	100
February	289	942	37	155	***	130	492
March	317		58		***	106	
						82	d l
April	300		43	100		95	536
May	318	901	46	187		290	,,,
June	516		96		***	270	1
	3.50	1 1000	87	- 10 mm		368	
July	159	954	61	220		278	545
August	279		79	220		195	
September	348	•••	17				
October	277		69		0	142	1 :::
November	313	911	114	192	260	104	455
December	255		43		0	99	***
1973						256	
January	341		41		34	156	527
February		1,003	45	152	0	151	
March			43	•••	13	125	
	0.00		14	har a late	10	213	
April		077	46	168	-1	83	645
May		977	76	100	0	264	
June	551		10	1			
July	225		61		0	368	
August		997	123	259	10	244	497
September			86		229	159	***
coptomout	1					20:	
October	. 319		85	:::	35	194	833
November	. 335	1,059	87	169	0	240 186	1.1
December	. 326		29		13	100	
1974							
	327		76		63	160	
January		996	55	224	0	114	594
February		770	58		13	198	•••
March						-	
April	. 384		37		0	80	***
May	. 382	1,066	38	156	0	94	559
June		•••	70	•••	20	333	
			140		100	421	
July		(274)	162	(NA)	100	448	(NA)
August	321	(NA)	118 (NA)	(NA)	(NA)	(NA)	(/)
September	(NA)		(NA)		(4444)	(/	
October							113

NA=not available; p=preliminary; r=revised.



		Defense Dep	artment gross unpa	id obligations outs	tanding, DOD		648. Manu new orders		650. Manufac- turers' new orders from the				
Year	643.	. Total	644. 0	perations	645. Pr	ocurement	products		U.S. Govern- ment, aerospac				
and month	Not seasonally adjusted					Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data— 6-month*	industries, Census, seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)				
1972													
January February March	33,734 33,554 32,480	32,879 32,832 32,742	5,303 5,021 4,635	4,998 5,011 4,864	21,702 21,877 21,637	21,131 21,364 21,680	2,241 1,384 1,460	1,692 1,680 1,612	3,399				
April	32,152 30,675 31,347	32,976 32,772 32,417	4,439 3,891 4,211	4,727 4,323 4,700	21,360 20,672 20,982	21,774 21,578 20,692	1,724 1,430 2,577	1,803 1,608 1,650	4,369				
July	32,546 33,684 34,563	33,109 33,350 33,985	4,739 5,043 5,349	4,881 4,807 5,104	20,570 20,813 21,237	20,820 21,347 21,280	1,074 1,635 1,540	1,663 1,602 1,583	3,453				
October	35,251 35,009 34,601	34,026 34,255 34,225	5,845 5,671 5,438	5,196 5,270 5,384	21,645 21,836 22,023	21,537 21,663 21,634	1,356 1,319 1,806	1,455 1,546 1,545	3,585				
January February March	35,171 35,287 34,766	34,280 34,426 34,976	5,741 5,589 5,273	5,381 5,523 5,586	22,326 22,721 22,469	21,718 21,953 22,291	1,618 1,633 1,804	1,589 1,680 1,758	4,060				
April	34,297 33,409 34,621	35,140 35,693 35,877	5,424 5,227 5,301	5,807 5,886 6,044	22,044 21,753 22,806	22,244 22,565 22,558	1,900 1,789 1,956	1,783 1,709 1,754	4,095				
July	37,069	e36,188 36,666 36,285	e6,200 6,754 6,719	e6,385 6,420 6,454	e22,100 22,432 22,195	e22,620 22,960 22,556	1,175 1,898 1,338	1,676 1,664 1,720	3,568				
October	37,680	36,682 36,869 36,839	7,519 7,193 7,064	6,660 6,673 6,994	22,679 22,877 22,932	22,656 22,763 22,615	1,827 2,124 1,450	1,635 1,803 1,831	4,199				
January February March	37,963	37,280 37,001 37,436	7,425 7,055 6,779	6,959 6,964 7,189	23,791 24,032 23,847	23,143 23,175 23,634	2,183 2,064 1,462	1,852 1,802 1,794	r4,737				
April	35,601	38,141 38,076 r38,947	7,044 6,476 r7,373	7,550 7,301 r8,417	23,778 23,123 r23,994	23,970 23,987 r23,756	1,527 2,079 1,752	1,844 1,710 rl,904	p3,16				
July	40,594	e40,435 40,152	e8,149 8,426	e8,392 8,010	e24,316 23,791	e24,914 24,351	1,377 r3,229 p1,772	pl,956	(NA)				
October													

NA=not available; p=preliminary; r=revised; e=estimated. \*Indicates series shown in charts. (See pages 7 and 8.)



Year and month  Not seasonally adjusted*  Not seasonally adjusted*  Not seasonally adjusted*  Not seasonally adjusted*  Not seasonally adjusted adjusted adjusted adjusted adjusted A-month*  Not seasonally adjusted adjus		653. Average weekly overtime hours, production workers, defense products industries, BLS  654. Accession rate, defense products industries, BLS						yoff rate, defense industries, BLS	products	656. Job vacancy rate, defense prod-
	and					of seasonally adjusted data—			of seasonally adjusted data-	ucts industries BLS, not seasonally adjusted*
January	lest.	(Hours)	(Hours)							(Percent)
February 2.5 2.7 2.8 1.9 2.0 2.0 1.0 0.7 0.8 April 2.4 2.4 2.7 2.6 2.7 2.6 2.3 2.1 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	1972									( ), ( )
February 2.5 2.7 2.8 1.9 2.0 2.0 1.0 0.7 0.8 April 2.7 2.8 1.9 2.0 2.0 1.0 0.7 0.8 April 2.7 2.8 1.9 2.0 2.0 0.0 0.7 0.8 April 2.8 2.8 2.5 1.6 2.0 0.6 0.9 0.8 July 2.4 2.7 2.2 2.3 2.0 0.6 0.9 0.8 July 2.4 2.7 2.6 2.3 2.1 0.6 0.9 0.8 September 3.2 3.0 2.5 2.3 2.2 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7			2.3	1.8	1.9	1.9	1.2	0.9	1.1	0.7
March					1.9					0.7
May         2.4         2.7         2.2         2.3         2.0         0.7         0.9         0.8           June         2.8         2.8         2.5         1.6         2.0         0.6         0.9         0.8           July         2.4         2.7         2.2         2.1         2.0         0.6         0.9         0.8           July         2.4         2.7         2.7         2.2         2.1         2.1         0.6         0.8         0.8           July         2.7         2.7         2.6         2.3         2.1         0.6         0.7         0.7           Corber         3.0         2.8         2.4         2.4         2.3         0.6         0.6         0.6         0.6           November         3.1         2.8         1.9         2.2         2.2         2.0         0.6         0.6         0.6           1973         January         2.9         2.8         2.5         2.6         2.3         0.8         0.5         0.6         0.6           1973         January         2.9         2.8         2.5         2.6         2.3         0.8         0.5         0.6         0.6         0	March	2.7	2.8	1.9	2.0					0.8
May         2.4         2.7         2.2         2.3         2.0         0.7         0.9         0.8           June         2.8         2.8         2.5         1.6         2.0         0.6         0.9         0.8           July         2.4         2.7         2.2         2.1         2.0         0.6         0.9         0.8           July         2.4         2.7         2.7         2.2         2.1         2.1         0.6         0.8         0.8           July         2.7         2.7         2.6         2.3         2.1         0.6         0.7         0.7           Corber         3.0         2.8         2.4         2.4         2.3         0.6         0.6         0.6         0.6           November         3.1         2.8         1.9         2.2         2.2         2.0         0.6         0.6         0.6           1973         January         2.9         2.8         2.5         2.6         2.3         0.8         0.5         0.6         0.6           1973         January         2.9         2.8         2.5         2.6         2.3         0.8         0.5         0.6         0.6         0	Ancil	0.5	2.4	1	-	1 TO 1				
June 2.8 2.8 2.8 2.5 1.6 2.0 0.6 0.9 0.8 July 2.4 2.7 2.2 2.1 2.1 0.6 0.8 0.8 0.8 August 2.7 2.7 2.6 2.3 2.1 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7										0.9
July   2.4   2.7   2.2   2.1   2.1   0.6   0.8   0.7   0.6	lune									1.0
August 2.7 2.7 2.7 3.0 2.6 2.3 2.1 0.6 0.7 0.8 September 3.2 3.0 2.8 2.4 2.3 2.2 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	ound	2.0	2.8	2.5	1.6	2.0	0.6	0.9	0.8	1.0
August 2.7 2.7 2.7 3.0 2.6 2.3 2.1 0.6 0.7 0.8 September 3.2 3.0 2.8 2.4 2.3 2.2 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	July	2.4	2.7	2.2	2.1	2.1	0.6	0.8	0.8	1.0
September   3.2   3.0   2.5   2.3   2.2   0.6   0.7   0.7		2.7	2.7							1.0
November 3.1 2.8 1.9 2.2 2.2 0.6 0.6 0.6 0.6 1973  January 2.9 2.8 2.5 2.6 2.3 0.8 0.5 0.6 0.6 0.6 February 3.1 3.3 2.0 2.2 2.2 0.7 0.5 0.5 0.5 March 2.9 3.0 2.0 2.1 2.3 0.7 0.5 0.5 0.5 0.5 0.5 March 2.9 3.2 2.2 2.2 2.2 0.6 0.6 0.6 0.6 0.6 May 2.9 3.2 2.2 2.2 2.2 0.5 0.7 0.5 0.7 0.6 June 2.8 2.8 2.8 2.6 2.3 2.2 2.2 2.2 0.5 0.7 0.7 0.7 0.7 July 2.7 3.0 2.5 2.3 2.2 2.2 2.2 0.5 0.7 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	September	3.2	3.0	2.5						1.1
November 3.1 2.8 1.9 2.2 2.2 0.6 0.6 0.6 0.6 1973  January 2.9 2.8 2.5 2.6 2.3 0.8 0.5 0.6 0.6 0.6 February 3.1 3.3 2.0 2.2 2.2 0.7 0.5 0.5 0.5 March 2.9 3.0 2.0 2.1 2.3 0.7 0.5 0.5 0.5 0.5 0.5 March 2.9 3.2 2.2 2.2 2.2 0.6 0.6 0.6 0.6 0.6 May 2.9 3.2 2.2 2.2 2.2 0.5 0.7 0.5 0.7 0.6 June 2.8 2.8 2.8 2.6 2.3 2.2 2.2 2.2 0.5 0.7 0.7 0.7 0.7 July 2.7 3.0 2.5 2.3 2.2 2.2 2.2 0.5 0.7 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	October	2.0	2.0	2.4				- 1		
December   3.4   2.9   1.5   2.1   2.3   0.5   0.6   0.6     1973   January   2.9   2.8   2.5   2.6   2.3   0.8   0.5   0.6     February   3.1   3.3   2.0   2.2   2.2   0.7   0.5   0.5     March   2.9   3.0   2.0   2.1   2.3   0.7   0.5   0.5     April   2.8   3.1   2.0   2.2   2.2   2.2   0.6   0.6   0.6     May   2.9   3.2   2.2   2.2   2.2   0.5   0.7   0.6     June   2.8   2.8   2.9   2.2   2.2   0.5   0.7   0.7     July   2.7   3.0   2.5   2.3   2.2   0.5   0.6   0.6     September   3.4   3.2   2.4   2.2   2.3   0.4   0.5   0.6     September   3.4   3.2   2.4   2.2   2.3   0.4   0.5   0.6     October   3.2   3.0   2.5   2.4   2.3   0.6   0.5   0.6     November   3.6   3.3   2.0   2.2   2.2   2.2   0.5   0.6   0.6     December   3.7   3.3   1.3   2.0   2.2   2.2   0.5   0.6   0.5     January   2.9   3.0   2.1   2.1   2.1   0.7   0.4   0.5     February   2.8   2.9   1.8   2.0   2.0   0.7   0.5   0.5     April   2.2   2.5   2.1   2.3   2.1   0.6   0.6   0.6     April   2.2   2.8   3.1   2.2   2.2   2.2   0.5   0.7   0.6     June   3.0   3.0   2.8   2.1   7.2   0.5   0.7   0.6     July   72.8   73.1   72.5   72.3   (NA)   (NA)   (NA)   (NA)										1.1
1973   January   2.9   2.8   2.5   2.6   2.3   0.8   0.5   0.6   February   3.1   3.3   2.0   2.2   2.2   0.7   0.5	Decêmber									1.1
February 3.1 3.3 2.0 2.2 2.2 0.7 0.5 0.5 March 2.9 3.0 2.0 2.1 2.3 0.7 0.5 0.5 March 2.9 3.0 2.0 2.1 2.3 0.7 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5		7.4	2.7	1.5	2.1	2.3	0.5	0.6	0.6	1.1
February 3.1 3.3 2.0 2.2 2.2 0.7 0.5 0.5 0.5 March 2.9 3.0 2.0 2.1 2.3 0.7 0.5 0.5 0.5 0.5 March 2.9 3.0 2.0 2.1 2.3 0.7 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	January	2.9	2.8	2.5	2.6	2.3	0.8	0.5	0.6	1.2
March         2.9         3.0         2.0         2.1         2.3         0.7         0.5         0.5           April         2.8         3.1         2.0         2.2         2.2         0.6         0.6         0.6           May         2.9         3.2         2.2         2.2         2.2         0.5         0.7         0.6           June         2.8         2.8         2.9         2.2         2.2         0.5         0.7         0.6           July         2.7         3.0         2.5         2.3         2.2         0.6         0.8         0.7           August         2.8         2.8         2.6         2.3         2.2         0.5         0.6         0.6           September         3.4         3.2         2.4         2.2         2.3         0.4         0.5         0.6           October         3.2         3.0         2.5         2.4         2.3         0.6         0.5         0.6           November         3.6         3.3         2.0         2.2         2.2         0.5         0.6         0.5           January         2.9         3.0         2.1         2.1         2.1         <		3.1								1.2
May         2.9         3.2         2.2         2.2         2.2         0.5         0.7         0.6           June         2.8         2.8         2.9         2.2         2.2         0.5         0.7         0.6           July         2.7         3.0         2.5         2.3         2.2         0.6         0.8         0.7           August         2.8         2.8         2.6         2.3         2.2         0.5         0.6         0.6           September         3.4         3.2         2.4         2.2         2.3         0.4         0.5         0.6           October         3.2         3.0         2.5         2.4         2.3         0.6         0.5         0.6           November         3.6         3.3         2.0         2.2         2.2         0.7         0.6         0.6           December         3.7         3.3         1.3         2.0         2.2         0.5         0.6         0.5           1974         2.9         3.0         2.1         2.1         2.1         0.7         0.4         0.5           February         2.8         2.9         1.8         2.0         2.0	March	2.9								1.2
May         2.9         3.2         2.2         2.2         2.2         0.5         0.7         0.6           June         2.8         2.8         2.9         2.2         2.2         0.5         0.7         0.6           July         2.7         3.0         2.5         2.3         2.2         0.6         0.8         0.7           August         2.8         2.8         2.6         2.3         2.2         0.5         0.6         0.6           September         3.4         3.2         2.4         2.2         2.3         0.4         0.5         0.6           October         3.2         3.0         2.5         2.4         2.3         0.6         0.5         0.6           November         3.6         3.3         2.0         2.2         2.2         0.7         0.6         0.6           December         3.7         3.3         1.3         2.0         2.2         0.5         0.6         0.5           1974         2.9         3.0         2.1         2.1         2.1         0.7         0.4         0.5           February         2.8         2.9         1.8         2.0         2.0	Anril	2.0	2.3	0.0		-				
June         2.8         2.8         2.9         2.2         2.2         0.5         0.7         0.7           July         2.7         3.0         2.5         2.3         2.2         0.6         0.8         0.7           August         2.8         2.8         2.6         2.3         2.2         0.5         0.6         0.6           September         3.4         3.2         2.4         2.2         2.3         0.4         0.5         0.6           October         3.2         3.0         2.5         2.4         2.3         0.6         0.5         0.6           November         3.6         3.3         2.0         2.2         2.2         0.7         0.6         0.6           December         3.7         3.3         1.3         2.0         2.2         0.5         0.6         0.5           1974         194         2.9         3.0         2.1         2.1         2.1         0.7         0.4         0.5           1974         2.8         2.9         1.8         2.0         2.0         0.7         0.5         0.5           March         2.9         2.9         1.9         2.0	May									1.2
July         2.7         3.0         2.5         2.3         2.2         0.6         0.8         0.7           August         2.8         2.8         2.6         2.3         2.2         0.5         0.6         0.6           September         3.4         3.2         2.4         2.2         2.3         0.4         0.5         0.6           October         3.2         3.0         2.5         2.4         2.3         0.6         0.5         0.6           November         3.6         3.3         2.0         2.2         2.2         0.7         0.6         0.6           December         3.7         3.3         1.3         2.0         2.2         0.5         0.6         0.5           1974         January         2.9         3.0         2.1         2.1         2.1         0.7         0.4         0.5           February         2.8         2.9         1.8         2.0         2.0         0.7         0.5         0.5           March         2.9         2.9         1.9         2.0         2.1         0.6         0.4         0.5           April         2.2         2.5         2.1         2.3	June									1.3
August       2.8       2.8       2.6       2.3       2.2       0.5       0.6       0.6         September       3.4       3.2       2.4       2.2       2.3       0.4       0.5       0.6         October       3.2       3.0       2.5       2.4       2.3       0.6       0.5       0.6         November       3.6       3.3       2.0       2.2       2.2       0.7       0.6       0.6         December       3.7       3.3       1.3       2.0       2.2       0.5       0.6       0.5         1974       2.9       3.0       2.1       2.1       2.1       0.7       0.4       0.5         February       2.8       2.9       1.8       2.0       2.0       0.7       0.5       0.5         March       2.9       2.9       1.8       2.0       2.0       0.7       0.5       0.5         April       2.2       2.5       2.1       2.3       2.1       0.6       0.4       0.5         August       2.8       3.1       2.2       2.2       2.2       0.5       0.7       0.6         July       2.8       2.1       2.2       2.		2.0	2.0	2.7	2.2	2.2	0.5	0.7	0.7	1.4
August 2.8 2.8 2.6 2.3 2.2 0.5 0.6 0.6 0.6 September 3.4 3.2 2.4 2.2 2.3 0.4 0.5 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	July	2.7	3.0	2.5	2.3	2.2	0.6	0.8	0.7	1.4
September       3.4       3.2       2.4       2.2       2.3       0.4       0.5       0.6         October       3.2       3.0       2.5       2.4       2.3       0.6       0.5       0.6         November       3.6       3.3       2.0       2.2       2.2       0.7       0.6       0.6         December       3.7       3.3       1.3       2.0       2.2       0.5       0.6       0.5         1974       2.9       3.0       2.1       2.1       2.1       0.7       0.4       0.5         January       2.8       2.9       1.8       2.0       2.0       0.7       0.5       0.5         March       2.9       2.9       1.8       2.0       2.0       0.7       0.5       0.5         April       2.2       2.5       2.1       2.3       2.1       0.6       0.4       0.5         April       2.2       2.5       2.1       2.3       2.1       0.6       0.6       0.6         May       2.8       3.1       2.2       2.2       2.2       0.5       0.7       0.6         June       3.0       3.0       2.8       2.1 <td>August</td> <td></td> <td>2.8</td> <td>2.6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.4</td>	August		2.8	2.6						1.4
November         3.6         3.3         2.0         2.2         2.2         0.7         0.6         0.6         0.6           1974         3.3         1.3         2.0         2.2         0.5         0.6         0.5           January         2.9         3.0         2.1         2.1         2.1         0.7         0.4         0.5           February         2.8         2.9         1.8         2.0         2.0         0.7         0.5         0.5           March         2.9         2.9         1.9         2.0         2.1         0.6         0.4         0.5           Aprill         2.2         2.5         2.1         2.3         2.1         0.6         0.6         0.6           May         2.8         3.1         2.2         2.2         2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2 <td< td=""><td>September</td><td>3.4</td><td>3.2</td><td>2.4</td><td></td><td></td><td></td><td></td><td>0.6</td><td>1.5</td></td<>	September	3.4	3.2	2.4					0.6	1.5
November         3.6         3.3         2.0         2.2         2.2         0.7         0.6         0.6         0.6           1974         3.3         1.3         2.0         2.2         0.5         0.6         0.5           January         2.9         3.0         2.1         2.1         2.1         0.7         0.4         0.5           February         2.8         2.9         1.8         2.0         2.0         0.7         0.5         0.5           March         2.9         2.9         1.9         2.0         2.1         0.6         0.4         0.5           Aprill         2.2         2.5         2.1         2.3         2.1         0.6         0.6         0.6           May         2.8         3.1         2.2         2.2         2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2 <td< td=""><td>October</td><td>3.2</td><td>3.0</td><td>2.5</td><td>21</td><td>2.2</td><td>0.6</td><td>0.5</td><td>0.6</td><td>1.0</td></td<>	October	3.2	3.0	2.5	21	2.2	0.6	0.5	0.6	1.0
December 3.7 3.3 1.3 2.0 2.2 0.5 0.6 0.5 1974  January 2.9 3.0 2.1 2.1 2.1 0.7 0.4 0.5 February 2.8 2.9 1.8 2.0 2.0 0.7 0.5 0.5 March 2.9 2.9 1.9 2.0 2.1 0.6 0.4 0.5  April 2.2 2.5 2.1 2.3 2.1 0.6 0.6 0.6 0.6 May 2.8 3.1 2.2 2.2 2.2 2.2 0.5 0.7 0.6 June 3.0 3.0 2.8 2.1 r2.2 0.5 0.7 r0.6  July r2.8 r3.1 r2.5 r2.3 (NA) r0.4 r0.6 (NA)  August p2.8 p2.8 (NA) (NA) (NA)										1.5
1974  January 2.9 3.0 2.1 2.1 2.1 0.7 0.4 0.5  February 2.8 2.9 1.8 2.0 2.0 0.7 0.5 0.5  March 2.9 2.9 1.9 2.0 2.1 0.6 0.4 0.5  April 2.2 2.5 2.1 2.3 2.1 0.6 0.6 0.6  May 2.8 3.1 2.2 2.2 2.2 2.2 0.5 0.7 0.6  June 3.0 3.0 2.8 2.1 r2.2 0.5 0.7 r0.6  July r2.8 r3.1 r2.5 r2.3 (NA) r0.4 r0.6 (NA)  August p2.8 p2.8 (NA) (NA) (NA) (NA)										1.3
January         2.9         3.0         2.1         2.1         2.1         0.7         0.4         0.5           February         2.8         2.9         1.8         2.0         2.0         0.7         0.5         0.5           March         2.9         2.9         1.9         2.0         2.1         0.6         0.4         0.5           April         2.2         2.5         2.1         2.3         2.1         0.6         0.6         0.6           May         2.8         3.1         2.2         2.2         2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2         0.5         0.7         r0.6           July         r2.8         r3.1         r2.5         r2.3         (NA)         r0.4         r0.6         (NA)           August         p2.8         p2.8         (NA)         (NA)         (NA)         (NA)	1974				2.0		0.,	1	0.7	7.1
February         2.8         2.9         1.8         2.0         2.0         0.7         0.5         0.5           March         2.9         2.9         1.9         2.0         2.1         0.6         0.4         0.5           April         2.2         2.5         2.1         2.3         2.1         0.6         0.6         0.6           May         2.8         3.1         2.2         2.2         2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2         0.5         0.7         r0.6           July         r2.8         r3.1         r2.5         r2.3         (NA)         r0.4         r0.6         (NA)           August         p2.8         p2.8         (NA)         (NA)         (NA)         (NA)         (NA)		2.9	3.0	2.1	2.1	2.7	0.7	0.4	0.5	(NA)
March         2.9         2.9         1.9         2.0         2.1         0.6         0.4         0.5           April         2.2         2.5         2.1         2.3         2.1         0.6         0.6         0.6           May         2.8         3.1         2.2         2.2         2.2         0.5         0.7         0.6           June         3.0         3.0         2.8         2.1         r2.2         0.5         0.7         r0.6           July         r2.8         r3.1         r2.5         r2.3         (NA)         r0.4         r0.6         (NA)           August         p2.8         p2.8         (NA)         (NA)         (NA)         (NA)	February									(NA)
April 2.2 2.5 2.1 2.3 2.1 0.6 0.6 0.6 May 2.8 3.1 2.2 2.2 2.2 0.5 0.7 0.6 June 3.0 3.0 2.8 2.1 r2.2 0.5 0.7 r0.6 July r2.8 r3.1 r2.5 r2.3 (NA) r0.4 r0.6 (NA) August p2.8 p2.8 (NA) (NA) (NA) (NA) (NA)										11/2
May     2.8     3.1     2.2     2.2     2.2     0.5     0.7     0.6       June     3.0     3.0     2.8     2.1     r2.2     0.5     0.7     0.6       July     r2.8     r3.1     r2.5     r2.3     (NA)     r0.4     r0.6     (NA)       August     p2.8     p2.8     (NA)     (NA)     (NA)     (NA)     (NA)	Ancil									
June										
July										
August		5.0	3.0	2.8	2.1	r2.2	0.5	0.7	r0.6	
August		r2.8	r3.1	r2.5	r2.3	(NA)	A-0m	70.6	(NA)	
				(NA)	(NA)	()	(NA)		(MA)	
	September	(NA)					()	(2007)		100
October										
December										

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See page 8.)



defense and space equipment, FRB, seasonally adjusted* inventories, defense products, Census, seasonally adjusted* defense products, Census, seasonally adjusted*		661. Manufacturers' unfilled orders,	664. Manufacturers' unfilled orders	666. Defense Department progress		ment in defense stries, total, BLS	
Year and month			defense products, Census, seasonally adjusted *	from the U.S. Gov- ernment, aerospace industries, Census, seasonally adjusted*	payments out- standing, DOD, not seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Index: 1967=100)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dof.)	(Thous.)	(Thous.)
1972			19				
lanuary	74.8	4,594	18,206			1,108	1 705
February	76.0	4,627	18,071		•••	1,109	1,105
March	77.6	4,706	18,034	14,052	7,297	1,109	1,108
April	78.1	4,720					
May	77.7		18,249	***	***	1,109	1,116
June	78.1	4,711	18,176 19,322	75 000	77.042	1,109	1,117
	70.1	4,002	17,322	15,233	7,043	1,113	1,116
July	78.3	4,831	18,907			1,113	1,115
August	78.1	4,911	19,076			1,114	1,117
September	77.6	4,937	19,119	14,819	6,866	1,125	1,119
October	77.9	4,978	18,966				
November	79.6	4,988	18,773	•••	•••	1,131	1,128
December	80.1	5,087	19,070	15,106	6,668	1,142 1,146	1,137
1973		,,,,,,	27,070	17,100	0,000	1,140	1,145
January	79.8	5,210	19,060			2 2/5	
February	80.6	5,248	19,123	•••	•••	1,145	1,141
March	80.1	5,266	19,343	15,533	6,942	1,143 1,139	1,142
April	80.0	F 201	30 (50				
May	79.7	5,384	19,659	***	***	1,137	1,144
June	80.1	5,384	19,780	76 004	7 00/	1,135	1,143
	00.1	29411	20,211	16,084	7,026	1,142	1,145
July	81.1	5,434	19,824			1,141	1,144
August	79.7	5,555	20,210			1,142	1,146
September	79.8	5,528	20,013	rl5,904	7,139	1,148	1,143
October	80.0	5,531	20,215	1		1,150	7.740
November	80.9	5,508	20,797	***	•••	1,154	1,147
December	81.9	5,615	20,740	16,448	7,385	1,155	1,152
1974					.,,,,,	-,-))	1,1,0
January	81.4	5,679	21,372	1,0-1		3 350	3 340
February	80.9	5,837	21,827	***	***	1,150	1,147
March	81.0	5,966	21,678	r17,383	7,781	1,142	1,144
April	80.6	5 070					
May	82.2	5,978 6,119	21,622 22,107	•••	•••	1,141	1,147
June	r81.7	6,201	22,107	n16 002	9 10/	1,138	1,146
			22,201	p16,902	8,104	1,143	1,147
July	r82.6	6,303	22,208			r1,144	rl,148
August	r83.0	6,431	r23,941			pl.106	pl,111
September	p83.6	(NA)	p24,178	(NA)	(NA)	(NA)	(NA)
October							43
November							1000
December		1					CALCULATION CONTRACTOR

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See pages 9 and 10.)



		efense products industries, workers, BLS	673. Index of aggregate products	e weekly man-hours, defense industries, BLS	675. Index of aggregate weekly payrolls, production workers, defense products industries, BLS				
Year and month	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*			
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)			
1972						1			
January	570	567	(1)	(1)	(1)	(1)			
	573	572	(1)	(1)	(1)	(1)			
	571	572	(1)	(1)	(1)	(1)			
April	572	577	(1)	(1)	(1)	(1)			
	571	577	(1)	(1)	(1)	(1)			
	575	578	(1)	(1)	(1)	(1)			
July	575	578	(1)	(1)	(1)	(1)			
	578	581	(1)	(1)	(1)	(1)			
	587	582	(1)	(1)	(1)	(1)			
October November December	592	589	(1)	(1)	(1)	(1)			
	604	599	(1)	(1)	(1)	(1)			
	608	604	(1)	(1)	(1)	(1)			
1973  January  February  March	606	602	(1)	(1)	(1)	(1)			
	606	604	(1)	(1)	(1)	(1)			
	603	605	(1)	(1)	(1)	(1)			
April	601	606	(1)	(1)	(1)	(1)			
	599	605	(1)	(1)	(1)	(1)			
	603	606	(1)	(1)	(1)	(1)			
July August September	603	607	(1)	(1)	(1)	(1)			
	601	604	(1)	(1)	(1)	(1)			
	608	603	(1)	(1)	(1)	(1)			
October	610	607	(1)	(1)	(1)	(1)			
	611	606	(1)	(1)	(1)	(1)			
	615	611	(1)	(1)	(1)	(1)			
1974 January February March	611	608	(1)	(1)	(1)	(1)			
	606	604	(1)	(1)	(1)	(1)			
	603	605	(1)	(1)	(1)	(1)			
April	602	607	(1)	(1)	(1)	(1)			
	599	606	(1)	(1)	(1)	(1)			
	600	604	67.4	67.6	94.6	95.6			
July		r602 p564 (NA)	66.9 p64.4 (NA)	r67.7 p64.9 (NA)	r92.8 p87.6 (NA)	r95.6 p89.1 (NA)			
October November December									

NA-not available: p=preliminary; r=revised. \*Indicates series shown in charts. (See page 10.)

Data for the ordnance and accessories component of this series (SIC Code 19) are being revised by the source agency for the period March 1971 through May 1974 to correct processing errors. The corrected data for this period are expected to be available in December when the source agency introduces routine benchmark revisions. This series will be recalculated to include all revisions and corrections at that time. In the interim, data will not be shown for the aforementioned period.



	Defense Departmen	it manpower, DOD		Defense	Department net outlays	, DOD			
Year and month	677. Military, not seasonally adjusted*	678. Civilian, not seasonally adjusted*	680. Tota	assistance	681. Operations				
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*	Not seasonally adjusted	Seasonally adjusted		
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mit. dol.)		
1972									
January	2,462	1,119	5,973	6,280	6,209	3,971	4,144		
February	2,426	1,117	6,128	6,205	6,306	4,013	4,069		
March	2,385	1,112	6,944	6,341	6,398	4,307	4,112		
Andi	2 2/7	1 100	( 100	/ 855					
April	2,341 2,319	1,107	6,539	6,722	6,550	4,294	4,248		
May		1,090	6,911	6,623	6,521	4,535	4,459		
June	2,323	1,083	8,769	7,130	6,448	4,271	3,615		
July	2,332	1,068	1 007	6 100	( 200	0.000			
August	2,344	1,008	4,987 5,679	6,107	6,308	3,972	4,436		
September	2,356	1,071	5,212	5,766 5,502	6,228	3,928	3,937		
	.,,,,,	2,012	7,000	7,702	0,174	3,805	3,975		
October	2,371	1,081	6,107	6,237	6,024	3,925	4,079		
November	2,370	1,083	6,313	6,303	6,049	4,084	4,074		
December	2,348	1,082	6,063	6,232	6,151	4,012	4,093		
1973			1		-,-,-	4,022	4,073		
January	2,334	1 000	/ 200	( 0.00					
February	2,314	1,073	6,388	6,256	6,295	4,119	4,107		
March	2,291	1,057	6,054 6,736	6,377	6,288	3,988	4,162		
	~,~/1	1,001	0,730	6,366	6,220	4,217	4,167		
April	2,274	1,051	6,222	6,194	6,281	4,087	3,970		
May	2,256	1,051	6,213	5,896	6,235	4,033	3,946		
June	2,253	1,031	7,854	6,597	6,291	4,537	3,935		
hales	2 253	2 020							
July August	2,251	1,019	5,005	5,978	6,330	3,669	4,018		
September	2,237	1,022	6,649	6,716	6,371	4,279	4,228		
ooptomoor	2,232	1,019	5,967	6,598	6,503	4,027	4,316		
October	2,227	1.022	6,527	6,444	6 113	4 30*			
November	2,218	1.026	6,766	6,683	6,441	4,105	4,156		
December	2,202	1,026	5,953	6,228	6,534	4,359	4,378		
1974			2,772	0,220	0,555	4,000	4,226		
	2 100	7.00							
January February	2,199	1,034	6,728	6,538	6,524	4,376	4,333		
March	2,195	1,039	6,384	6,717	6,527	4,137	4,313		
		1,042	6,702	6,536	6,537	4,398	4,364		
April	2,174	1,046	6,685	6,458	r6,648	4,367	4,221		
May	2,156	1,053	7,204	6,745	r6,712	4,718	4,536		
June	2,162	1,070	r7,872	r6,894	r6,801	r4,835	r4,296		
1.4.						14,035	14,290		
July		1,074	5,979	6,921	p6,955	4,628	4,917		
August September	p2,154 (NA)	1,064	r6,897	r7,254		r4.804	r4,957		
ooptember	(NA)	(NA)	p6,945	p7,459		p4,576	r4,957 p4,829		
October									
November									
December									
	1	1				1	1		

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See pages 10 and 11.)



	Defense Depa	rtment net outlays, DO	D-Continued	683. Budget outla defense funct	ys for the national tion, Treasury	685. Defense Department personnel compensation, DOD				
Year		682. Procurement	Ju:	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted*			
and month	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*		oata-o-montm					
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mit. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)			
1972							1111			
January	1,276	1,372	1,393	6,449	6,425	2,713	2,687			
February	1,367	1,391	1,424	6,442	6,517	2,681	2,642			
March	1,666	1,476	1,453	6,582	6,585	2,778	2,686			
	2 17/	7 500	2 510	6,912	6,774	2,625	2,660			
April	1,456	1,528	1,547	6,684	6,695	2,638	2,571			
May June	1,621 2,390	1,564 1,952	1,620 1,555	7,574	6,644	2,711	2,700			
June	2,390	1,702	1,000	1,014	0,044	29111	2,100			
July	1,675	1,810	1,494	5,976	6,492	2,651	2,654			
August	975	1,002	1,456	6,136	6,418	2,693	2,669			
September	1,072	1,111	1,417	5,667	6,387	2,610	2,690			
	-									
October	1,306	1,299	1,290	6,472	6,179	2,636	2,68			
November	1,254	1,331	1,216	6,499	6,263	2,658	2,666			
December	1,084	1,189	1,271	6,320	6,347	2,609	2,670			
1973										
lanuans	1,355	1,367	1,301	6,483	6,493	2,811	2,72			
January		1,329	1,306	6,641	6,482	2,666	2,70			
March		1,291	1,291	6,541	6,415	2,728	2,67			
	-,,	-,-,-	.=,	1						
April	1,287	1,330	1,322	6,409	6,489	2,675	2,67			
May	1,315	1,243	1.245	6,099	6,353	2,736	2,65			
June	1,649	1,371	1,276	6,761	6,404	2,615	2,63			
	44-			- /		0.83.0	0 70			
July		907	1,285	5,671	6,434	2,712	2,70			
August		1,513	1,300	6,945	6,455	2,735	2,71			
September	1,239	1,344	1,318	6,718	6,585	2,615	2,71			
October	1,487	1,425	1,298	6,536	6,504	2,732	2,75			
November		1,349	1,357	6,877	6,650	2,765	2,79			
December		1,250	1,318	6,276	6,643	2,589	2,64			
1974			, ,							
January	1,270	1,262	1,300	6,550	6,621	2,879	2,78			
February		1,276	1,289	6,899	6,612	2,651	2,69			
March	1,313	1,241	1,268	6,588	6,613	2,700	2,66			
Anril	1,382	1,355	rl,254	6,484	6,659	2,750	2,74			
April		1,227	r1,179	6,881	6,665	2,817	2,72			
June		r1,165	r1,204	6,554	6,728	2,817 r2,710	r2,7/			
ound	12,040	12,20)	-19204	-,,,,,	0,720		,			
July	. 801	810	pl,221	6,583	(NA)	r2,835	r2,79			
August	1,348	1,425		7,281		p2,824	p2,8			
September		pl,343		(NA)		(NA)	(N			
October										

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See page 11.)



	688. Manufacturers' products	shipments, defense c, Census	689. Manufacturers' shipments to the	691. Ratio, manufac to shipments, defer	cturers' unfilled orders nse products, Census	693. Ratio, manufacturers' inventories to shipments, defense products, Census				
Year and month	Seasonally adjusted*	Moving average of seasonally adjusted data-5-month*	U.S. Government, aerospace industries, Census, seasonally adjusted*	Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*			
	(Mil. dol.) (Mil. dol.)		(Mil. dol.)	(Ratio)	(Ratio)	(Ratio)	(Ratio)			
1972										
January February March	1,475 1,519 1,497	1,496 1,488 1,501	3,298	12.3 11.9 12.0	11.8 12.0 12.1	3.1 3.0 3.1	3.0 3.1 3.1			
April	1,509 1,503 1,431	1,492 1,486 1,480	3,225	12.1 12.1 13.5	12.3 12.4 12.6	3.1 3.1 3.4	3.2 3.2 3.2			
July	1,489 1,466 1,497	1,477 1,478 1,495	3,767	12.7 13.0 12.8	12.7 12.8 12.8	3.2 3.3 3.3	3.3 3.3 3.3			
October	1,509 1,512 1,509	1,499 1,531 1,546	3,275	12.6 12.4 12.6	12.7 12.5 12.4	3.3 3.3 3.4	3.3 3.3 3.3			
January February March	1,628 1,570 1,584	1,561 1,575 1,607	3,599	11.7 12.2 12.2	12.3 12.3 12.2	3.2 3.3 3.3	3.3 3.3 3.3			
April	1,669	1,587 1,585 1,571	3,607	12.4 11.9 13.2	12.3 12.4 12.6	3.4 3.2 3.6	3.3 3.4 3.4			
July	1,511	1,561 1,552 1,555	3,612	12.7 13.4 13.0	12.8 12.8 13.0	3.5 3.7 3.6	3.5 3.5 3.6			
October	1,541	1,543 1,552 1,567	3,611	12.4 13.5 13.8	13.1 13.3 13.4	3.4 3.6 3.7	3.6 3.6 3.6			
January February March	1,610	1,564 1,573 1,591	r3,721	13.8 13.6 13.4	13.4 13.6 13.7	3.7 3.6 3.7	3.6 3.7 3.7			
April	1,594	1,600 1,564 rl,541	p3,810	13.6 13.9 13.9	13.7 14.0 14.4	3.8 3.8 3.9	3.8 3.9 4.0			
July	. rl,497	pl,530	(NA)	15.5 r16.0 p15.8	p14.8	4.4 4.3 (NA)	(NA)			
October November December							d			

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See page 12.)



## **Defense-Related Balance of Payments Components**

	546. Transfers under sales contracts	U.S. military agency (exports), BEA	547. Direct defense expenditures (imports),		ent cash receipts associated sales contracts, BEA
Year and month	Not seasonally adjusted	Seasonally adjusted*	BEA, not seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1972					
January	:::	:::	2 000	***	0 0 0
February	311	326	1,222	237	273
March	•••		•••	***	•••
April		***		***	***
May	321	281	1,242	373	365
June	•••				•••
July	•••				
August	224	252	1,109	325	381
September	***	***		•••	***
October				•••	-
November	299	295	1,185	452	368
1973	•••			•••	- · · ·
January	• • •		•••	• • •	•••
February	326	342	1,175	520	554
March					
April	•••				
May	509	446	1,209	544	535
June			***	***	•••
July	• • • •	•••		***	:::
August	466	520	1,067	610	665
September	•••	•••	•••	***	•••
October	•••			122	***
November	1,054	1,046	1,104	616	536
December	***	•••	•••	***	***
1974	5.5	1	The state of		The part of the last
January	r643	r673	rl,166	r488	r521
February	1045	***	11,100	1.400	
April	1000				
May	p732	p655	pl,291	p534	p525
June	***		pr,-/-	9554	p)2)
July					
August	(NA)	(NA)	(NA)	(NA)	(274)
September	(MA)	(NA)	(NA)	(NA)	(NA)
October		The state of the s			
November	and the	The state of the s			and the state of t
December		the state of the later with the same heart		and a property of the last	AND RESIDENCE AND REAL PROPERTY.

NA=not available; p=preliminary; r=revised. \*Indicates series shown in charts. (See page 13.)

### Appendix A. SEASONAL ADJUSTMENT FACTORS

	Series title						197	4					
	MONTHLY SERIES	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Defe	ase Department gross obligations incurred:	69			7 6	37.14	9-1						
00101	617. Total 1	104.7	92.6	88.7	94.7	87.8	122.7	112.8	100.7	101.0	105.7	94.8	91.6
	619. Operations <sup>1</sup>	105.9	88.0	93.2	103.7	95.1	112.9	115.5	100.4	94.7	107.9	93.4	89.0
	621. Procurement	112.5	98.2	84.1	75.8	67.2	174.6	69.4	83.7	104.2	118.2		115.0
323	Gross obligations incurred outside the Federal Government		7002	Outer	1,000	0102	114.0	0704	0,01	20400	220.2	7101	117.0
	for national defense 1	104.9	87.6	92.3	95.7	89.8	113.8	113.8	105.1	92.6	108.1	100.2	96.2
625	Defense Department military prime contract awards for			-									,
	work performed in the United States	91.3	83.2	97.2	72.0	78.1	176.9	112.3	98.5	102.4	100.1	84.9	103.3
Defer	nse Department gross unpaid obligations outstanding:2												
	643. Total	102.6	102.6	99.5	97.7	93.5	96.4	98.0	101.1	101.4	103.7	102.2	101.1
	644. Operations	106.7	101.3	94.3	93.3	88.7	87.6	97.1	105.2	104.0	113.1	107.8	101.0
	645. Procurement	102.8	103.7	100.9	99.2	96.4	101.0	97.6	97.7	98.3	100.1	100.5	101.4
	Manufacturers' new orders, defense products <sup>3</sup>	94.9	98.1	98.4	87.5	71.2	93.1	178.1	85.4	116.2	104.9	91.8	106.
653.	Average weekly overtime hours, production workers, defense												
	products industries4	1	1	.0	3	3	.0	3	.0	.3	.2	.2	.4
54.	Accession rate, defense products industries <sup>4</sup>	.0	2	1	2	.0	.7	.2	.4	.2	.1	2	"
355.		.3	.2	.2	.0	2	2	2	1	1	.1	.1	3
657.	Output of defense and space equipment <sup>3</sup>	100.0	99.9	100.4	99.4	99.9	100.7	98.6	98.9	100.1	100.1	100.9	101.8
659.		98.6	99.8	101.3	100.6	100.0	99.9	100.2	99.2	99.7	100.6	100.6	99.4
661.	Manufacturers' unfilled orders, defense products <sup>3</sup>	101.0	101.2	101.0	99.8	97.3	96.3	101.0	99.7	100.5	101.0	99.9	
mp	loyment in defense products industries:												
	670. Total	100.3	100.1	99.8	99.5	99.3	99.7	99.7	99.6	100.3	100.2	100.6	100.6
	671. Production workers	100.5	100.2	99.6	99.2	98.8	99.3	99.1	99.6	100.8	100.9	101.0	100.8
373.	Index of aggregate weekly man-hours, defense products industries	100.3	99.8	100.0	99.3	99.3	99.8	98.9	99.2	100.4	100.3	101.2	101.7
375	Index of aggregate weekly payrolls, production workers,	2000)	///	200.0	11.0	//02	//	,	77000	20014	200.)	20210	102.
<i>31</i> <b>3</b> .	defense products industries	100.8	99.8	100.1	98.6	98.8	98.9	97.1	98.4	100.7	100.5	102.4	104.
Defe	nse Department net outlays:												
	680. Total, military functions and military assistance <sup>1</sup>	102.9	95.0	102.5	103.5	106.8	114.2	86.4	95.1	93.1	102.0	97.7	98.7
	681. Operations <sup>1</sup>		95.9	100.8	103.5	104.0		94.1	96.9	94.8	99.3	97.4	
	682. Procurement <sup>1</sup>	100.6	93.7	105.8	102.0			98.9		93.1		91.4	
683.	Budget outlays for the national defense function 1	103.7	94.3	101.5	104.1	105.3	114.0	89.0		92.8	102.3	97.0	96.
685.	Defense Department personnel compensation 1	103.4	98.5	101.2	100.2	103.2		101.4	99.0		99.1	97.6	
688.	Defense Department personnel compensation <sup>1</sup>	88.0	96.4	99.5	99.6	98.9		98.1		103.4	99.5	102.9	
	QUARTERLY SERIES		10			110			IIIQ			IVQ	
200	0		0/ 1			300.0			00.4		1	301.5	
	Gross national product <sup>3</sup>		96.1			100.9			98.4			104.5	
	Fed. Govt. purchases of goods and services, national defense <sup>3</sup> .  Transfers under U.S. military agency sales contracts-exports <sup>5</sup> .		99.2			104.9			95.0 -54			100.9	
Defe	ense Department military prime contract awards:												
	626. Aircraft		91.1			114.9	)		104.1			90.3	
	627. Missile and space systems		90.8			72.6			130.9			106.7	
	629. Weapons and ammunition		96.3			124.5			48.6			129.9	
	630. Electronic and communications equipment		92.0		1	126.6			81.7			100.1	
	631. Combat vehicles		58.1			125.8			126.2			90.3	
	632. Other hard goods		89.6			139.1			66.5			105.0	
	633. Soft goods		67.6		1	75.3			154.6			102.9	
	634. Construction		90.6			180.7			65.1			63.8	
			58.1		*	101.4			129.6		1	109.7	
			99.3			125.3			83.0			92.5	
	635. Services	.1				93.1			104.7			118.6	
	635. Services		84.2				_	1					
	635. Services		84.2 79.5			90.7	7		156.4			74.4	
Aer	635. Services 636. Under \$10,000 637. Educational and nonprofit institutions						7		156.4			74.4	
Aer	635. Services 636. Under \$10,000 637. Educational and nonprofit institutions 640. Outside U.S								156.4			74.4	
Aer	635. Services 636. Under \$10,000 637. Educational and nonprofit institutions 640. Outside U.S.		79.5			90.7	2						
Aer	635. Services		79.5			90.7	2		123.4	5		99.3	

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, The X-11 Variant of the Census Method II Seasonal Adjustment Program.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures—imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department manpower (series 677 and 678) contain no measurable seasonal variation. The series on job vacancy rate, defense products industries (series 656) contains too few observations to be seasonally adjusted.

<sup>1</sup> Factors are products of seasonal and trading-day factors.

of months but these gaps were filled with averages of preceding and following months for purposes of estimating seasonal variation.

<sup>3</sup>These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by dividing the seasonally undivisited data by the seasonally adjusted data.

unadjusted data by the seasonally adjusted data.

<sup>4</sup>These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the seasonal factors into the unadjusted data.

<sup>5</sup>This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted data.

<sup>&</sup>lt;sup>2</sup>Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

#### Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY

Part 1. Monthly Series

Series title	Period	ō	cī	ī	Ē	ī/c̄	MCD		age duration run (ADR)	
	covered			Min.	, 3,27	- 1- 11		CI	MCD	
Defense Department gross obligations incurred:			1000	1			17	18 6 /		
617. Total	Jan. '57-Jan. '74	18.68	7.38	7.29	0.75	9.72	6	1.53	2.3	
619. Operations	July '59-Jan, '74	8.33	2.61	2.50	.64	3.88	4	1.72	3.00	
621. Procurement	Jan. '57-Jan. '74	45.13	22.23	22.10	1.68	13.19	6	1.49	2.12	
23. Gross obligations incurred outside the Federal Government for national			2000	22.0					- 1-	
defense	July '63-Jan. '74	(NA)	6.94	6.82	.74	9.21	6	1.52	2.4	
25. Defense Department military prime contract awards for work performed			The same		0000	44.5344		100 100		
in the United States, total	Jan. '57-Jan. '74	33.17	15.07	14.94	1.32	11.33	6	1.39	2.0	
defense Department gross unpaid obligations outstanding:					3.7					
643. Total	Jan. '57-Jan. '74	2.08	1.36	.90	.91	.99	1	2.58	2.5	
644. Operations	Jan. '67-Jan. '74	5.47	2.48	2.16	1.06	2.03	3	2.00	4.8	
645. Procurement	Jan. '67-Jan. '74	2.49	1.51	.99	.99	1.00	2	2.15	4.8	
fanufacturers' new orders:	Whistyral Ch									
647. Defense products industries	Jan. '57-Mar. '72	(NA)	15.11	14.89	.97	15.32	6	1.58	2.3	
648. Defense products	Feb. '68-Jan. '74	25.69	19.12	19.01	1.59	11.94	6	1.45	2.0	
53. Average weekly overtime hours, production workers, defense products										
industries (hours)	Jan. '58-Jan. '74	.22	.13	.13	.05	2.84	3	2.13	4.2	
54. Accession rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74	.39	.16	.15	.05	3.12	4	2.26	3.	
55. Layoff rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74	.17	.13 (NA)	.13	.04	3.07	4	2.02	4.0	
56. Job vacancy rate, defense products industries (percent) @	Apr. '69-Dec. '73	.08		.07	.05	1.36	2	4.00	7.	
57. Output of defense and space equipment	Jan. '54-Jan. '74	(NA)	.98	.48	.79	.60	1	4.07	4.0	
Manufacturers' inventories:	L. CONTRACTOR			40						
658. Defense products industries	Jan. '57-Mar. '72	(NA)	1.04	.52	.85	.62	1	2.80	2.8	
659. Defense products	Jan. '68-Jan. '74	1.89	1.74	1.16	1.27	.92	1	3.00	3.0	
Manufacturers' unfilled orders:						0.55				
660. Defense products industries	Jan. '57-Mar. '72	(NA)	1.23	.90	.83	1.09	2	2.76	3.4	
661. Defense products	Jan. '68-Jan. '74	1.93	1.64	1.11	.99	1.11	2	2.77	3.9	
Employment in defense products industries:									1	
670. Total	Jan. '58-Jan. '74	.74	.68	.25	.60	.42	1	4.68	4.6	
671. Production workers	Jan. '58-Jan. '74	1.02		.43	.69	.63	1	3.62	3.6	
673. Index of aggregate weekly man-hours, defense products industries	Jan. '58-Jan. '74	.92	.75	.35	.62	.56	1	4.09	4.0	
675. Index of aggregate weekly payrolls, production workers, defense products					-					
industries	Jan. '58-Jan. '74	1.61	1.07	.65	.81	.80	1	3.05	3.0	
Defense Department manpower:				-						
677. Military (9)	Jan. '57-Jan. '74	.66	(NA)	.26	. 59	.44	1	4.25	40	
678. Civilian (4)	Jan. '57-Jan. '74	.55	(NA)	.33	.43	.79	1	4.25	4.	
Defense Department net outlays:										
680. Total, military functions and military assistance	Jan. '57-Jan. '74	9.06		3.87	.75	5.18	6	1.71	3.:	
681. Operations	July '59-Jan. '74	7.57		3.31	.70		5	1.61	2.	
682. Procurement	Jan. '57-Jan. '74	15.02		11.44	1.55	7.38	6	1.59	2.	
683. Budget outlays for the national defense function	Jan. '57-Jan. '74	(NA)	4.09	4.02	.69	5.82	6	1.58	3.	
885. Defense Department personnel compensation	Jan. '67-Jan. '74	2.72	1.40	1.21	.53	2.29	4	2.55	4.	
Manufacturers' shipments:										
687. Defense products industries	Jan. '57-Mar. '72	(NA)	2.67	2.49	.87	2.85	3	1.64	3.	
688. Defense products	Jan. '68-Jan. '74	6.98	4.45	4.40	.95	4.62	5	1.41	2.	
Ratio, manufacturers' unfilled orders to shipments:										
690. Defense products industries	Jan. '57-Mar. '72	(NA)		2.71	.96	2.82		1.90	3.	
691. Defense products	Jan. '68-Jan. '74	8.23	5.09	5.05	.93	5.46	6	1.60	3.0	
Ratio, manufacturers' inventories to shipments:				1						
692. Defense products industries		(NA)		2.90	.72		5	2.46	5.	
693. Defense products	Jan. '68-Jan. '74	8.05	5.37	5.44	.75	7.20	6	1.76	3.	

NA = not available.

\*Measures for these series are based on actual changes rather than percent changes (see definition below). @ indicates measures are based on unadjusted data.

#### **BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 1**

The measures in this appendix provide a historical perspective for interpreting current changes in each series. They are derived using the Census X-11 seasonal adjustment program. Brief definitions of the measures are given below; more complete definitions appear in *Electronic Computers and Business Indicators* by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from *Journal of Business*, October 1957).

 $^{\prime\prime}\overline{O}^{\prime\prime}$  is the average month-to-month percent change, without regard to sign, in the original unadjusted series. (See final paragraph below for exceptions to these definitions.)

"CI" is the same for the seasonally adjusted series.

"C" is the same for the short-term trend, which is a smooth, flexible moving average of the seasonally adjusted series.

" $\overline{\Pi}$ " is the same for the irregular component, which is obtained by dividing the seasonally adjusted series by the short-term trend.

"Ī/c" measures the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is the ratio of the average monthly percent change (without regard to sign) in the irregular component to the average monthly percent change (without regard to sign) in the short-term trand

"MCD" (months for cyclical dominance) estimates the number of months required for the short-term trend to dominate the irregular component. Average percent changes are computed for spans of from 1 to 12 months for both the irregular component and the short-term trend. MCD is the shortest span of months for which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All MCD's greater than "5" are shown as "6".

## Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY—Continued

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between two observations, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series (CI) and the MCD curve, which is a moving average (with the number of terms equal to MCD) of the seasonally adjusted series. A comparison of these measures with the expected ADR of a random series indicates whether the changes approximate those of a random series. In a random series, the expected ADR is 1.36 and 1.75 about 95 percent of the time. For a moving average of a random series, the expected ADR is 2.

Measures for series identified with an asterisk (\*) are computed by an additive method. This method is used for series with zero or negative data, series which could approach zero, and series expressed in percent. In this method, the measures are defined the same as above except for two differences: (1) the measures are based on actual month-to-month changes (rather than percent changes) and (2) the irregular component is obtained by subtracting the short-term trend from the seasonally adjusted series. The average changes shown above for the components of such a series are in the same unit of measure as the series itself. The unit is indicated in the series title.

#### Part 2. Quarterly Series

Series title	Period	ō	CI	ī	c	T/C	QCD	Average of run	
	covered							CI	QCD
200. Gross national product	IQ '57-IVQ '73	5.70	1.79	0.32	1.73	0.18	1	9.57	9.5
264. Federal Government purchases of goods and services, national defense	IQ '57-IVQ '73	6.18	2.00	.76	1.71	.45	1	3.05	3.0
546. Transfers under U.S. military agency sales contracts-exports (mil. dol.) .	IQ '60-IVQ '73	76.33	54.22	39.30	29.71	1.32	2	1.67	2.3
547. Direct defense expenditures-imports (mil. dol.) @	IQ '60-IVQ '73	34.27	(NA)	26.55	21.70	1.22	2	1.83	2.70
613. National defense purchases as a percent of GNP (percent)	. IQ '57-IVQ '73	.33	.18	.08	.16	.48	1	5.58	5.5
650. Manufacturers' new orders from the U.S. Government, aerospace industries	IQ '61-IVQ '73	(NA)	16.77	14.80	5.06	2.92	4	1.38	1.6
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries	. IQ '61-IVQ '73	(NA)	3.75	2.31	2.51	.92	1	2.32	2.3
666. Defense Department progress payments outstanding @	. 10 '57-IVQ '73	4.73	(NA)	2.25	4.22	.53	1	2.48	2.4
689. Manufacturers' shipments to the U.S. Government, aerospace industries .	. IQ '61-IVQ '73	(NA)	4.16	3.27	1.99	1.64	2	1.70	2.2
*696. U.S. Government cash receipts associated with military sales contracts (million dollars)	. IQ '60-IVQ '73	96.62	73.64	56.86	38.62	1.47	2	1.57	2.3

NA = not available.

\*Measures for these series are based on actual changes rather than percent changes (see definition below).
measures are based on unadjusted data.

@indicates

#### **BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 2**

These measures are defined the same as those in part 1 except that they are based on quarter-to-quarter percent changes. For example,  $\overline{Cl}$  is the average quarter-to-quarter percent change (without regard to sign) in the seasonally adjusted series.

In deriving "QCD" (quarters for cyclical dominance), average percent changes are computed for spans of from one to four quarters for the irregular component and the short-term trend. QCD is the shortest span of quarters for

which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All QCD's greater than "3" are shown as "4". The "Average Duration of Run" (ADR) measures are also expressed in quarters.

As in part 1, measures for series identified with an asterisk (\*) are computed by an additive method. This method is the same as that used for the monthly series except for the use of quarterly data rather than monthly.

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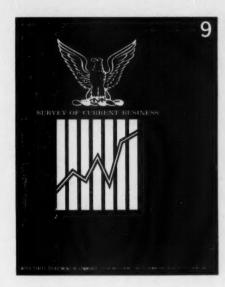
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Manufacturers' shipments to U.S. Government Manufacturers' unfilled orders from U.S. Government	689 664	See Ship	ments. Hed orders			Ratio to shipments, defense products industries	692	12		11/72	2/
						lak imanan cata dafansa producta industrias	ese				
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Cash receipts associated with military sales contracts Direct defense expenditures	696 547	13	27 27	9/74	10/73	Layoff rate, defense products industries	655	8	21	5/74	4/
Transfers under military agency sales contracts	546	13	27	9/74	10/73	Man-hours, defense products industries	673	10	23	5/74	4,
dget outlays for national defense function	683	See Outl	ays.	1	1	Manpower – See Civilian manpower and Military manpower.					
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Payrolls, aggregate weekly, defense products industries	675	10	23	5/74	4/73	New orders, manufacturers'	648	-	200	8/74	
Personnel compensation, Defense Department	685	11	25	8/74	8/68	Defense products	647	7	20	11/72	2 2
ntract awards, military prime Aircraft	626		16	5/74	8/68	From Government, aerospace industries	650	8	20	4/74	1
Civilian Health and Medical Program	638 631	***	19	5/74	8/68						1
Combat vehicles Construction	634	***	17	5/74		Obligations incurred, gross Defense Department, operations	619		15	4/74	1 8
Contracts under \$10,000	636	1	19	5/74	8/68	Defense Department, procurement	621	6	15	4/74	8
Educational and nonprofit institutions	637		19	5/74	8/68	Defense Department, total	617	6	15	4/74	1
Electronic and communications equipment	630 627	***	17	5/74		Outside Government for national defense	623	6	16	4/74	10
Missile and space systems Other hard goods	632		18			Obligations outstanding, gross unpaid  Defense Department, operations	644		20	4/74	1
Services	635		18		8/68	Defense Department, procurement	645	7	20	4/74	
Ships	628	***	17			Defense Department, total	643	7	20	4/74	
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Weapons and ammunition	629		17		8/68	Obligations incurred	619	See Obl	igations in	curred.	
Work outside the U.S.	640		19	5/74	8/68	Unpaid obligations outstanding	644	See Obl	igations o	utstanding.	
	-		1		1	Outlays					
efense and space equipment, outputefense Department	657	266 00	tput of de	rense and sp	ace equipment.	Budget outlays for national defense function Defense Department, operations	683	11	25		
Gross obligations incurred-See Obligations incurred.						Defense Department, operations	682	111			
Gross unpaid obligations outstanding-See			1			Defense Department, total	. 680	11		4/74	
Obligations outstanding.  Manpower—See Civilian manpower and Military						Output of defense and space equipment	657	9			
manpower.						Overtime hours, defense products industries	653	8	21	5/74	1
Military prime contract awards-See Contract awards.						Payrolls, aggregate weekly, defense products industries .	675		1		
Net outlays—See Outlays. Personnel compensation	685	See Cr	ompensatio	n.	1	Personnel compensation, Defense Department		See Co	mpensatio	ın.	
Progress payments outstanding	666	See Pr	ogress pay	ments.		Procurement, Defense Department	682	See Ou	1	1	
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						Unpaid obligations outstanding	. 645			outstanding.	1
mployment	054		1.			Progress payments outstanding, Defense Department Purchases of goods and services for national defense				2 4/74 al product.	4
Accession rate, defense products industries Employment, production workers, defense products	654	See A	ccession ra	te.	1	Turchases or goods and sorvious for national defense	1	000 0	1	1	
industries Employment, total, defense products industries	671 670	1						1			1
Job vacancy rate, defense products industries	656		ob vacancy		4 4/1	Defense products	. 688	1	2 2	6 8/7	4
Lavoff rate, defense products industries	655	See L	ayoff rate.			Defense products industries	. 687	1	2	. 11/7	2
Man-hours, defense products industries	673	See N	lan-hours.	1	1	Ratio, inventories to shipments, defense products Ratio, inventories to shipments, defense products	093	See In	ventories.	1	
manpower.						industries	692	1		1	
Overtime hours, defense products industries	653	See C	vertime ho	ours.	1	Ratio, unfilled orders to shipments, defense product Ratio, unfilled orders to shipments, defense product	ts 691	Conll	nfilled ord	lore	
Expenditures—See Outlays.		-	1		1	industries			I OR	l l	
						To Government, aerospace industries	689	1	2 2	6 4/7	4
Federal purchases of goods and services for national defense	. 264	See 0	Gross natio	nal product	1						
			1	1	1	Transfers under military agency sales contracts	. 546	See B	alance of	payments.	
Gross national product						Unfilled orders, manufacturers'	000				
Federal purchases of goods and services for national						Defense products	660			8/7	
defense Gross national product	264			4 9/		From Government, aerospace industries	664		9	22 4/7	4
National defense purchases in percent of GNP	613			4 9/		Ratio to shipments, defense products	691	1	2 2	26 8/7	4
Gross obligations incurred—See Obligations incurred.	1			-1		Matio to snipments, detense products industries .	690	1	2	. 11/7	2
Gross unpaid obligations outstanding-See Obligations						Unpaid obligations outstanding—See Obligations outstanding.					



